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#### **ABSTRACT OF THE DISCLOSURE**

A system and method for object tracking path generation. The system includes a digital media player having a player interface to play a digital media file, and a tracking path processing unit. The tracking path processing unit defines and records position data of an object in frames of the digital media file on the player interface during playback. The tracking path processing unit records time data of the frames, and generates an object tracking path of the object in the digital media file according to the position and time data. Additionally, the tracking path processing unit adjusts the object tracking path when the digital media file and the object tracking path are simultaneously played in the player interface, and transforms the object tracking path to a specific format according to the position and time data.